

IDHS DIVISION OF TRAINING
VEHICLE TECHNICAIN LEVEL
PRACTICAL SKILLS AND EXAMINATION HANDBOOK

Title
Scene Size-up

Skill Sheet#1

NFPA 1670, 2009 Edition, 8.4.2

Directions

For this skills evaluation checklist, candidate shall Evaluating existing and potential conditions at vehicle search and rescue incident

Equipment & Materials

- Proper PPE
- Large / Heavy Vehicles

Task Steps	
1.	Candidate shall verbally report to the evaluator a scene size-up that includes <ul style="list-style-type: none">• Identify Scope and Magnitude of the incident• Determine number and size of vehicles affected• Identify integrity and stability of vehicles• Identify the number of known or potential victims• Estimate the weight of a large vehicle• Identify frame and construction features of heavy/large vehicles• Explain available versus necessary resources
2.	Candidate is wearing proper PPE for operating at the incident (minimum) <ul style="list-style-type: none">• Eye protection• Hearing protection• Helmet (rescue type)• Extrication or structural FF gloves• BSI (body substance isolation) where needed• AHJ approved jumpsuit for extrication or structural turnout gear Steel toe boots

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Title
Tools and Equipment

Skill Sheet#2

NFPA 1670, 2009 Edition, 8.4.2

Directions

For this skills evaluation checklist, identify and properly operate equipment used at vehicle search and rescue incidents involving large / heavy vehicles.

Equipment & Materials

- Proper PPE
- Heavy d\Duty Rescue Chain
- Wire Come-s-Long and Power Winch
- 4x4 or 6x6 Cribbing and Wedges
- Large / Heavy Vehicles
- High, Medium, or Low Pressure Lifting Bags w/ Air Supply

Task Steps	
1	Identify use and components of a rescue chain assembly and apply to a rescue operation
2	Demonstrate the use, care, and maintenance, of pneumatic high, medium, or low pressure lifting bags and apply in a rescue operation
3	Demonstrate use, care, and maintenance of wire rope and its associated equipment and apply to a rescue operation
4	Demonstrate the use of cribbing and chocks to stabilize a large and/or heavy vehicle
5	Demonstrate the use, care, and maintenance of both manual and power winches

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Title
Advance Stabilization

Skill Sheet#3

NFPA 1670, 2009 Edition, 8.4.2

Directions

For this skills evaluation checklist, candidate shall stabilize in advance vehicle elements at vehicle search and rescue incidents involving passenger vehicles and large / heavy vehicles.

Equipment & Materials

- Proper PPE
- Pneumatic high-, medium-, or low-pressure lifting bags
- 4x4 or 6x6 Cribbing and Wedges
- Large / Heavy Vehicles
- Shackles and slings
- Chains, wire cables, pulleys
- Jacks or shoring

Task Steps	
1	Perform advanced stabilization to a large vehicle using jack devices, shoring (pneumatic struts), and cribbing
2	Apply stabilization to a vehicle on its side
3	Apply stabilization to a vehicle on its roof
4	Apply stabilization to a vehicle on top of another vehicle
5	Apply stabilization to a vehicle under a large vehicle

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Title
Extrication and Specialized Assistance

Skill Sheet#4

NFPA 1670, 2009 Edition, 8.4.2

Directions

For this skills evaluation checklist, candidate shall demonstrate performing extrication and disentanglement operations from large vehicles or vehicles in unusual situations. Using all specialized search and rescue equipment immediately available and in use by AHJ.

Equipment & Materials

- Proper PPE
- Cribbing and chocks
- Power tools
- Heavy Wrecker
- Heavy / Large Vehicles
- Machinery prop
- Chains, wire cable, pulleys
- Assorted hand tools
- Various Slings
- Passenger Vehicles

Task Steps	
1	Demonstrate proper and effective use of power tools including hydraulic, pneumatic, and electrical spreading, cutting, lifting, and ram-type tools
2	Demonstrate victim protection during this type of extrication or disentanglement
3	Perform extrication on a large or heavy vehicle both primary and secondary access points through the use of available power tools
4	Perform extrication on a passenger vehicle on its side both primary and secondary access points through the use of available power tools
5	Perform extrication on a passenger vehicle on its roof both primary and secondary access points through the use of available power tools
6	Perform extrication on a passenger vehicle on top of another vehicle both primary and secondary access points through the use of available power tools

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7	Perform extrication on a passenger vehicle under a large vehicle both primary and secondary access points through the use of available power tools
8	<p>Candidate shall verbally provide to the evaluator the following points on usage of heavy wreckers or crane services to assist at incidents involving large machinery.</p> <ul style="list-style-type: none">• How to determine the correct size of wrecker or crane needed• Determine staging or placement of wrecker or crane• Determine the rescue action plan for the use of the wrecker or crane
9	State or apply the use of various sling configurations for a large vehicle rescue operation